

LATEX DISPERSIONS CONTAINING A HYDROXYL FUNCTIONAL GROUP
AND A CARBOXYLIC FUNCTIONAL GROUP AND THEIR USE FOR THE
MANUFACTURE OF COATINGS

ABSTRACT

There is disclosed a composition comprising a dispersion in an aqueous phase forming coatings after curing. The composition can be used for paint and varnish and is made up of a dispersion comprising a population A of latex particles of polymer or of copolymer having acidic and hydroxyl functional groups whose particle size is between 10 and 1000 nanometers, wherein the particles have an accessible acidic functional group content, being the acidic functional groups, which are at most 5 nanometers from the surface of the particle/continuous aqueous phase interface, and an accessible alcoholic functional group content, being the hydroxyl functional groups, which are at most 10 nanometers from the surface of the particle-continuous aqueous phase interface, said composition comprising a population B of particles bearing isocyanate functional group(s).